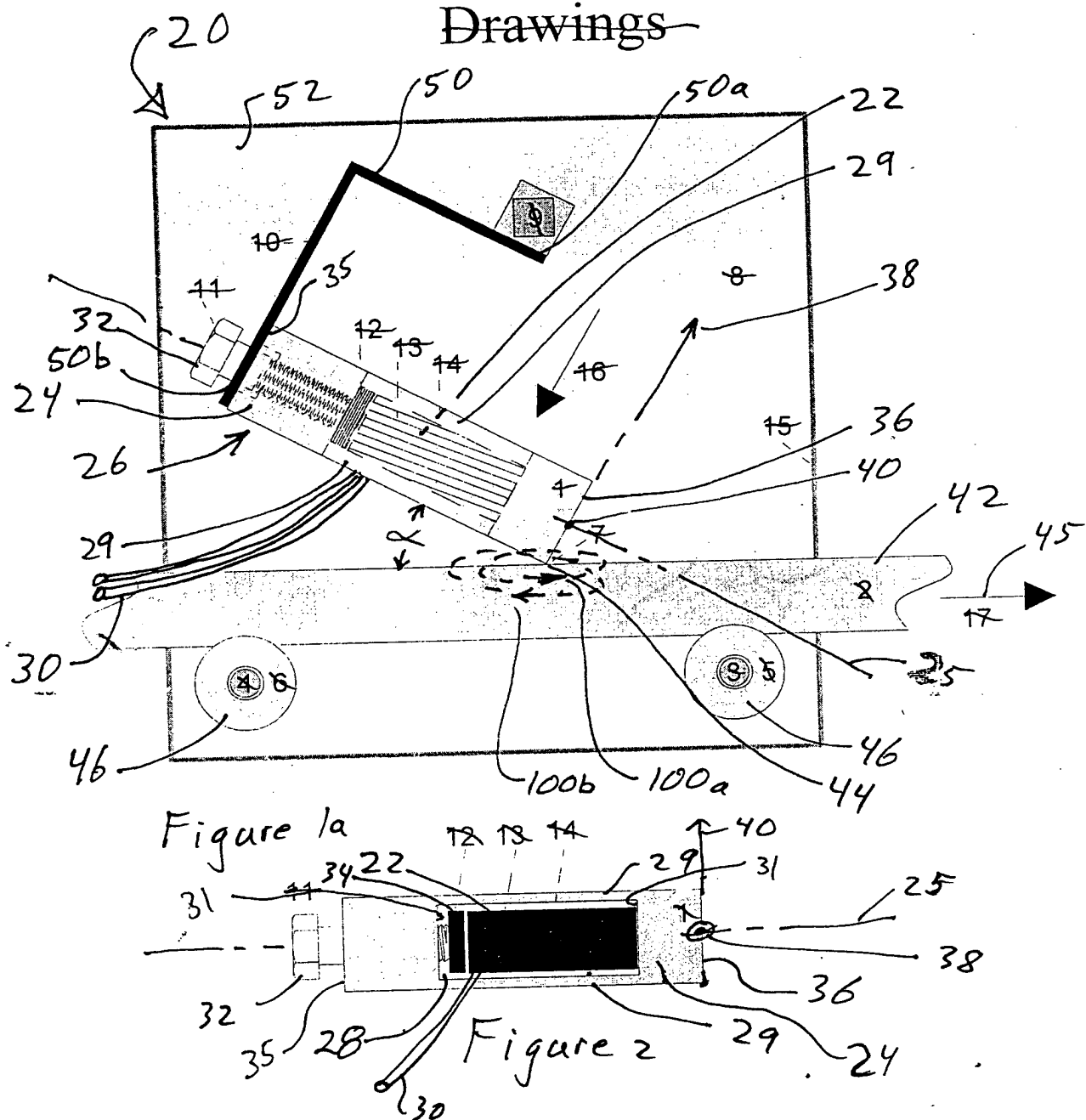


1. The first step is to identify the problem. This involves understanding the symptoms and the context in which they are occurring.



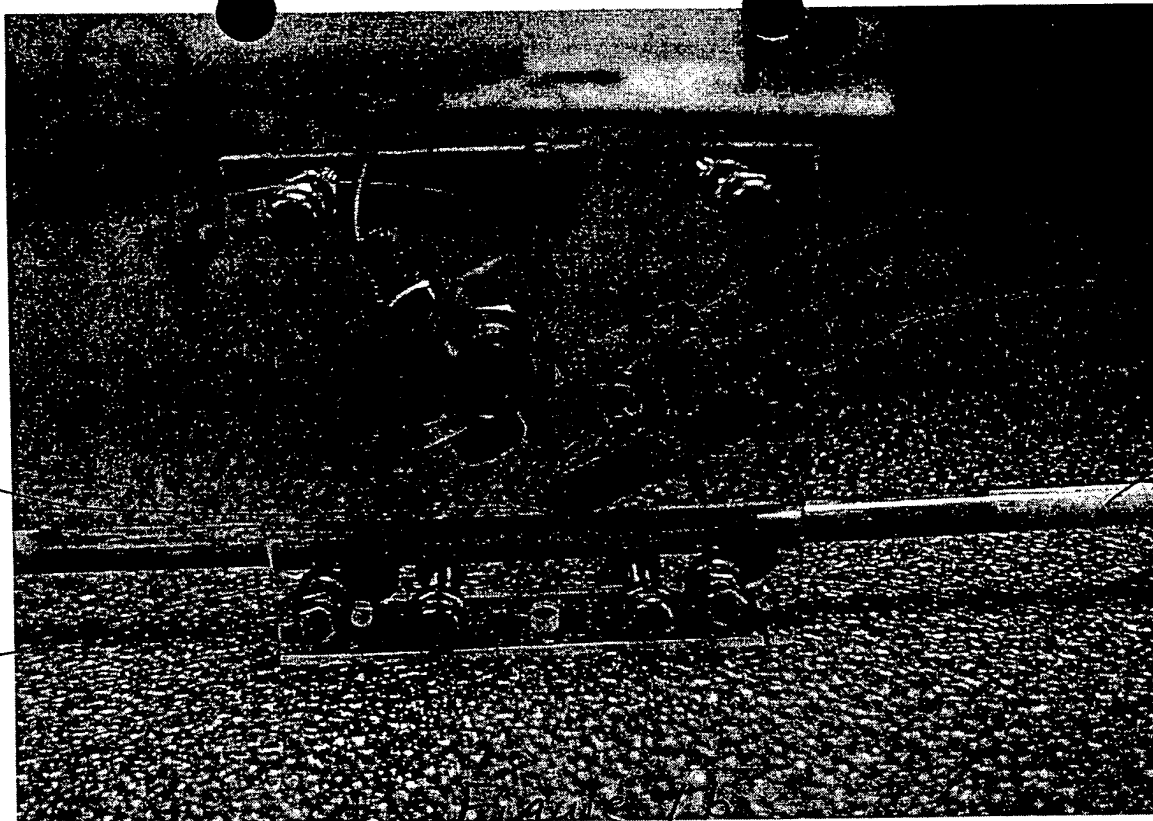
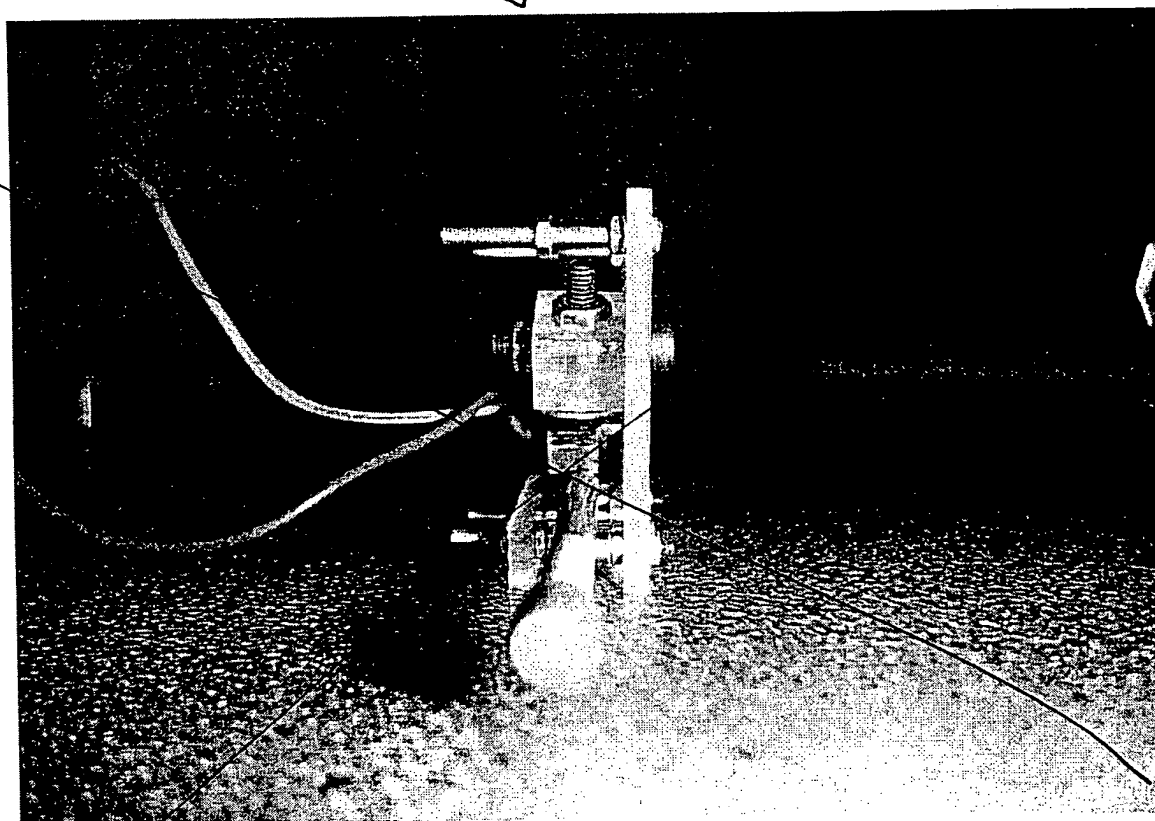
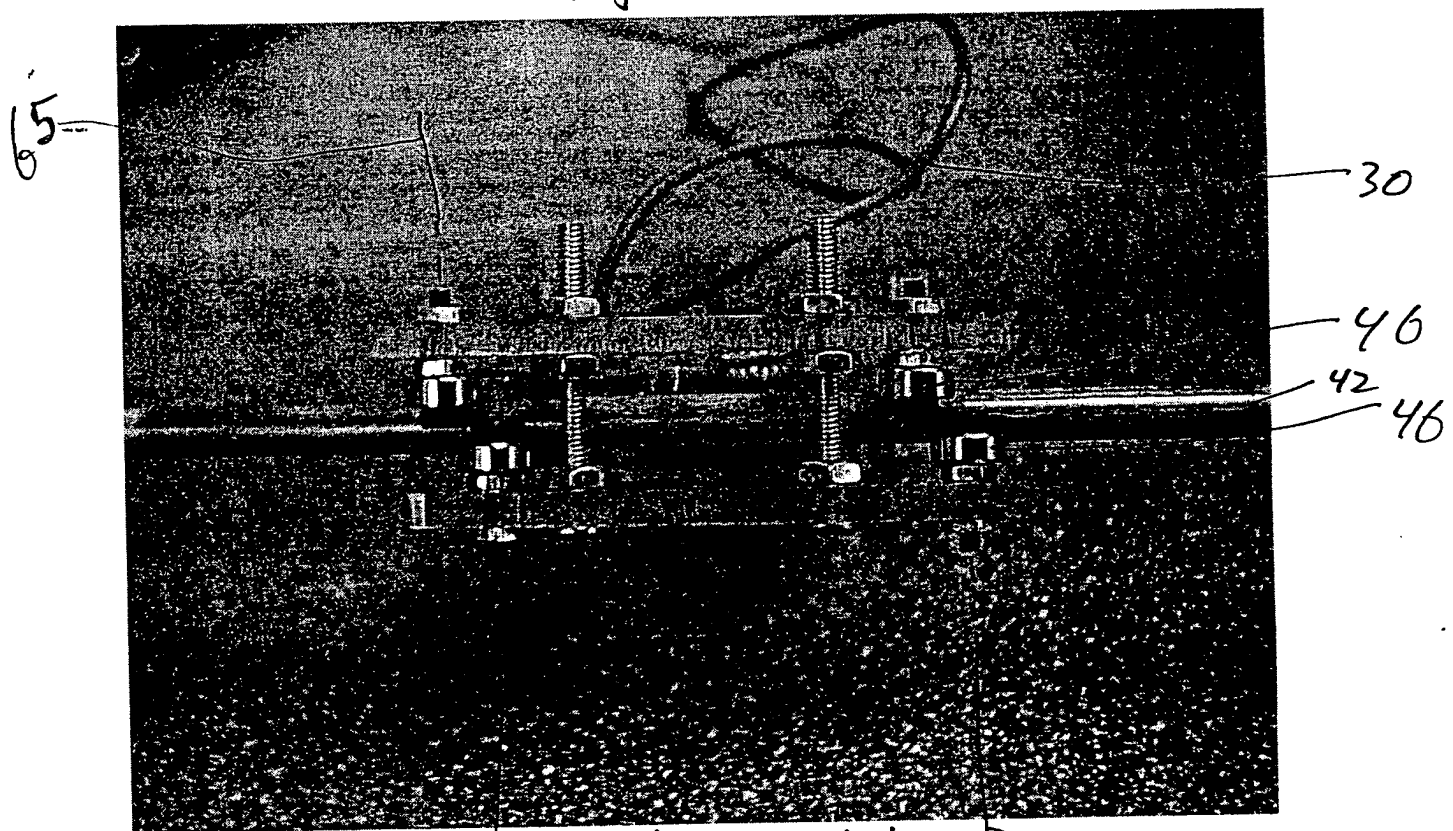
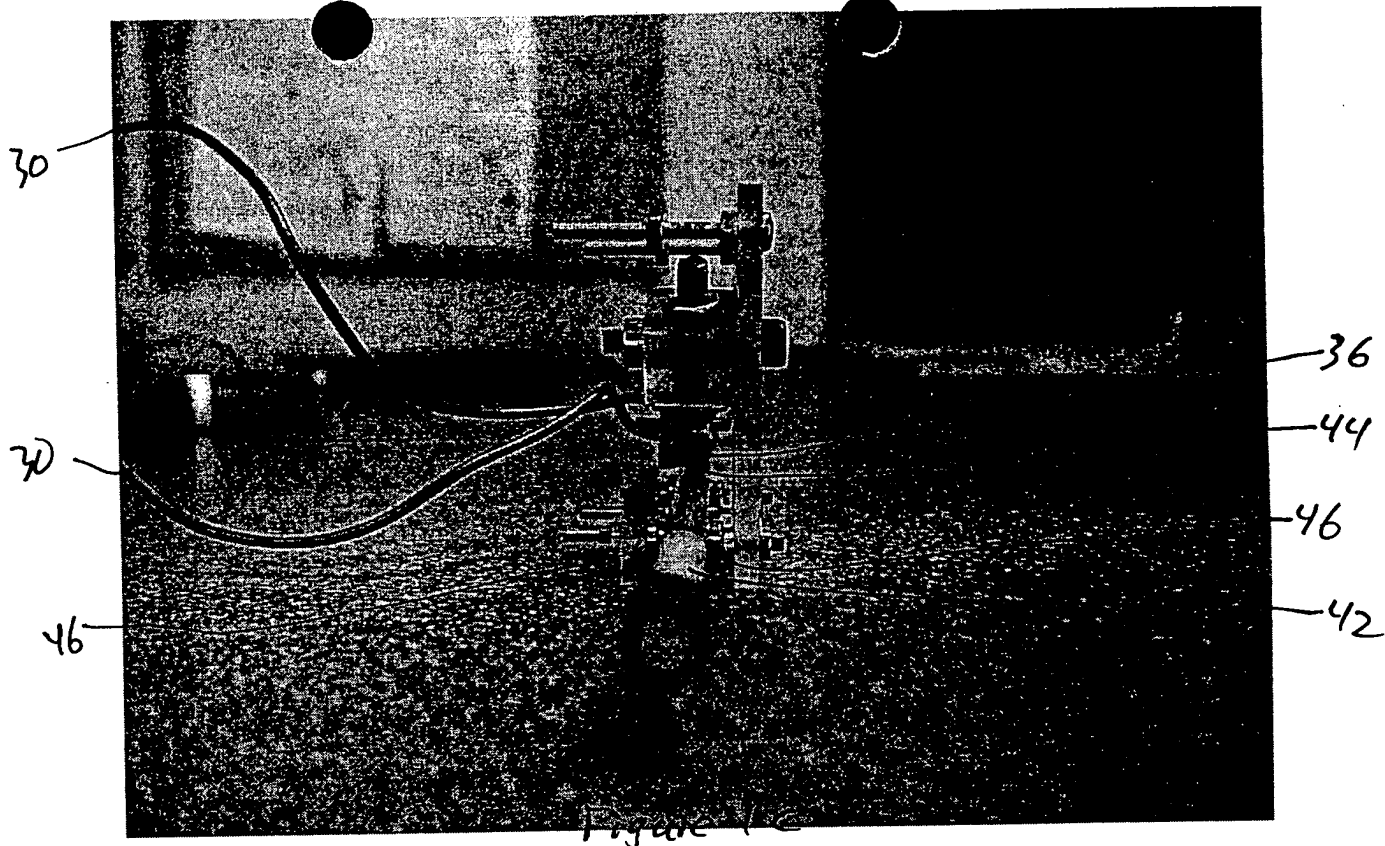


Figure 71



0000079-030001

09800579.030001



65 / Figure 1d 65

Fig. 4

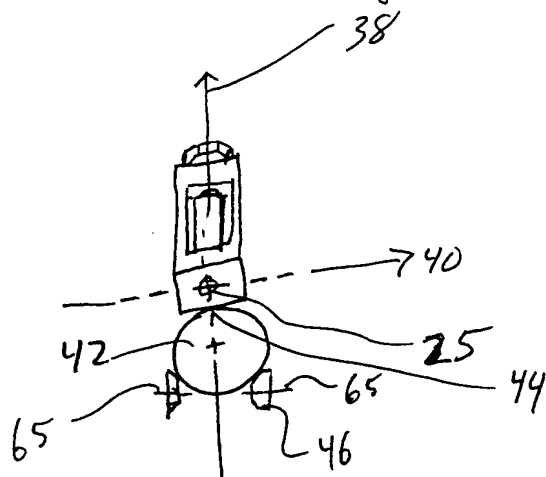


Fig. 3

A hand-drawn schematic diagram of a mechanical assembly, likely a valve or actuator. The diagram is enclosed in a rectangular frame. Key components and labels include:

- 26**: A large, angled, shaded rectangular component.
- 20**: A smaller, unshaded rectangular component positioned below 26.
- 40**: A coiled spring mechanism on the right side.
- 50**: A vertical rod or pin passing through the spring.
- 50a**: A pin or rod extending from the top right.
- 73**: A circular component, possibly a seal or washer, near the spring.
- 74**: A horizontal rod or pin on the left side.
- 75**: A horizontal rod or pin below 74.
- 77**: A horizontal rod or pin at the bottom left.
- 78 pin**: A label pointing to a pin near the top right.
- 80**: A label pointing to a hole or opening at the top.
- 80 hole**: A label pointing to a hole in the top component.
- 45**: A label pointing to a horizontal rod or pin on the left.
- 43**: A label pointing to a component within the angled block 26.
- 42**: A label pointing to a horizontal rod or pin on the right.
- 44**: A label pointing to a horizontal rod or pin on the right.
- 46**: A label pointing to a circular component at the bottom left.
- 47**: A label pointing to a horizontal rod or pin on the right.
- 52**: A label pointing to a pin or rod near the top right.
- 50b**: A label pointing to a component near the spring.
- 32**: A label pointing to a component near the spring.
- 34**: A label pointing to a component near the spring.
- 35**: A label pointing to a component near the spring.
- 22**: A label pointing to a component near the spring.
- 100a**: A label pointing to a component on the left.
- 100b**: A label pointing to a component at the bottom left.
- 1**: A label pointing to a component within the angled block 26.
- 2**: A label pointing to a component on the right.
- 3**: A label pointing to a component at the bottom right.
- 5**: A label pointing to a component at the bottom right.
- 8**: A label pointing to a component at the bottom left.
- 17**: A label pointing to a horizontal rod or pin on the right.
- 245**: A label pointing to a horizontal rod or pin on the right.

The diagram shows various mechanical parts, including rods, pins, springs, and seals, interconnected to form a functional assembly. The labels are handwritten and provide a detailed reference for each component.

Figure 5

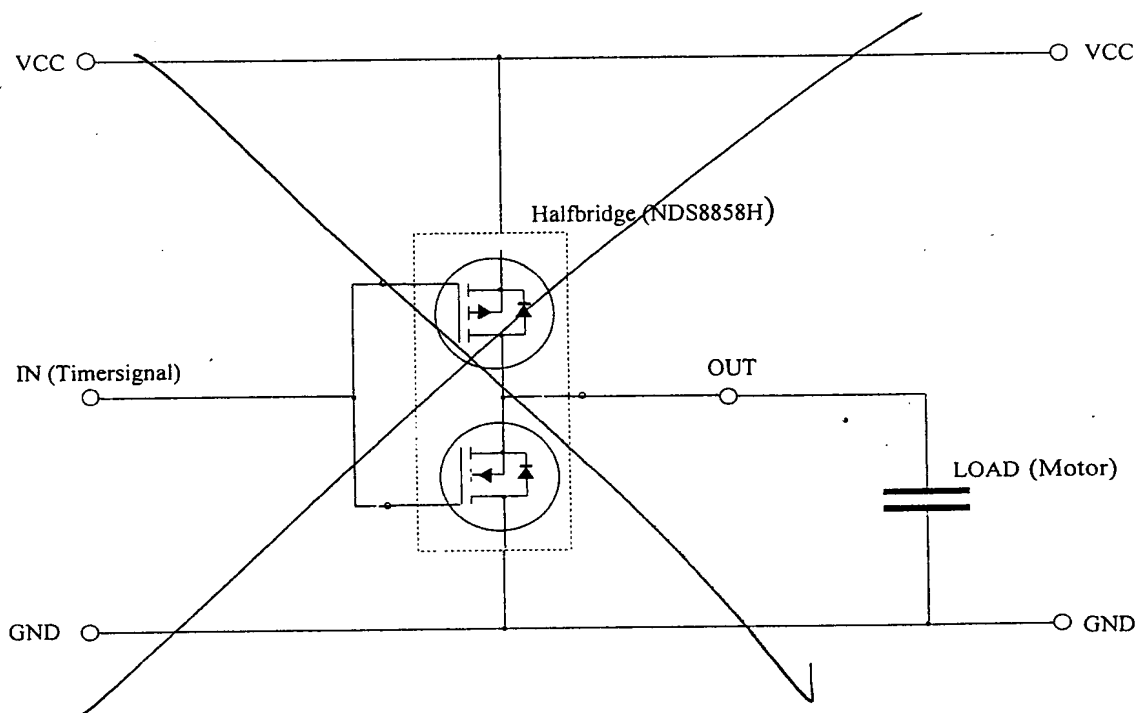


Figure 6

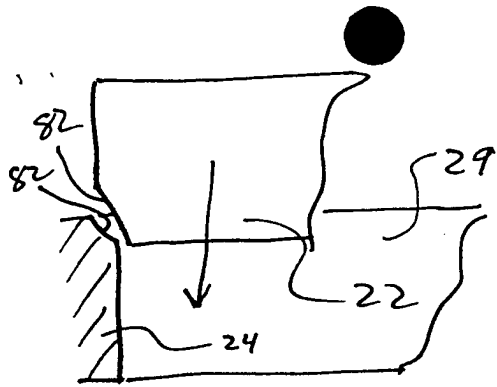


Figure 7b

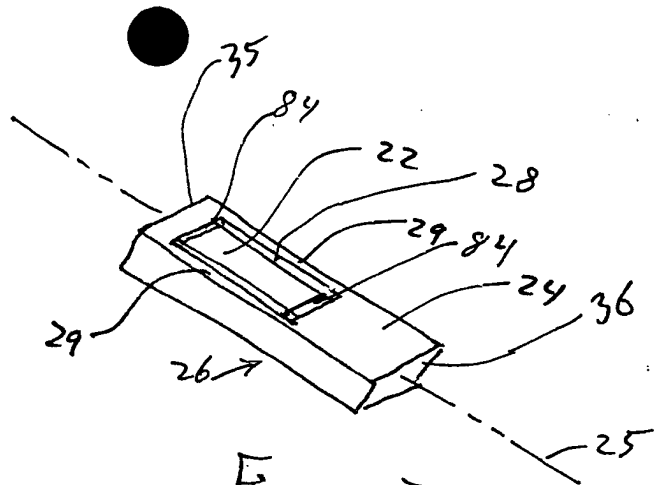


Figure 7a

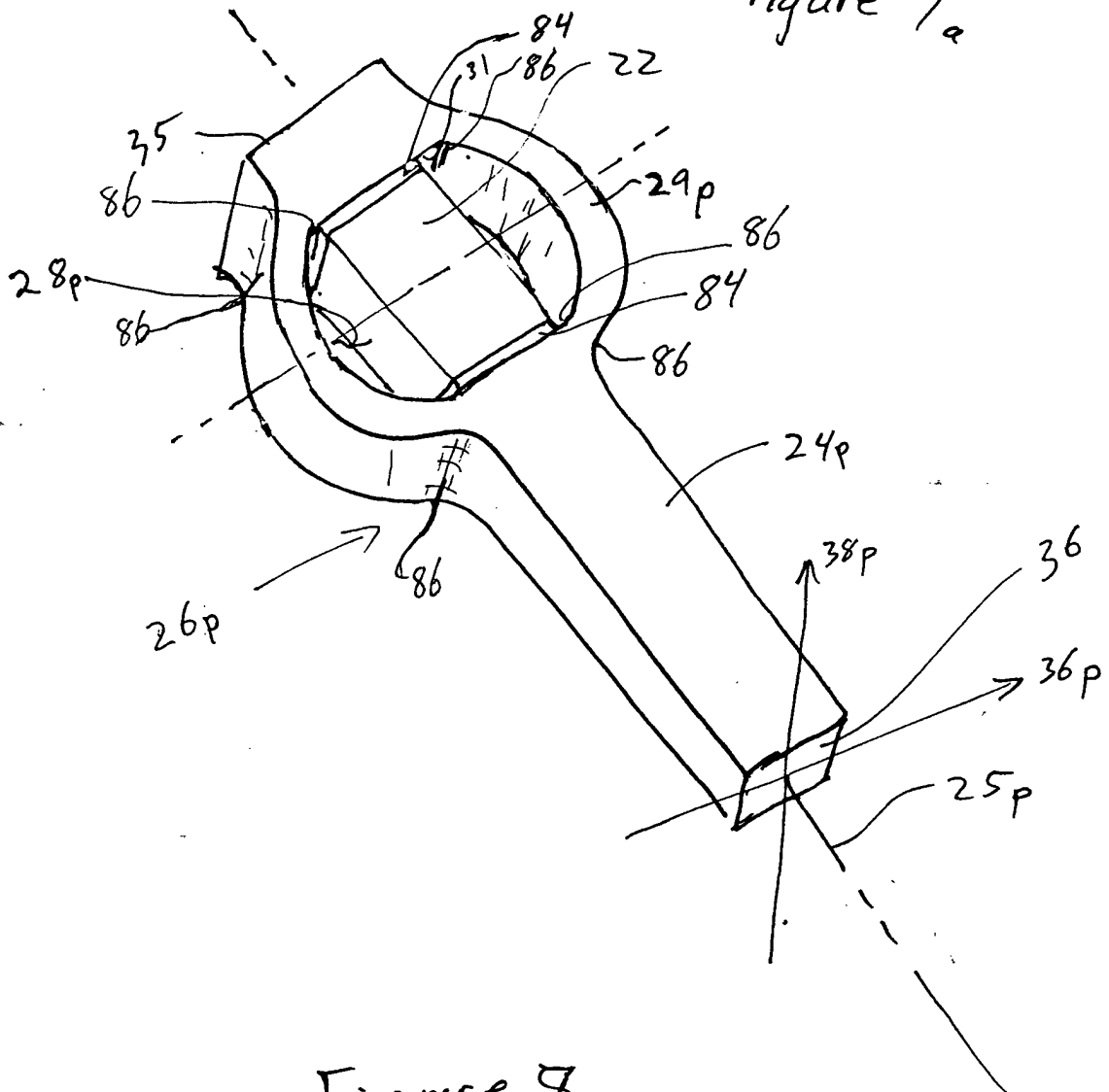
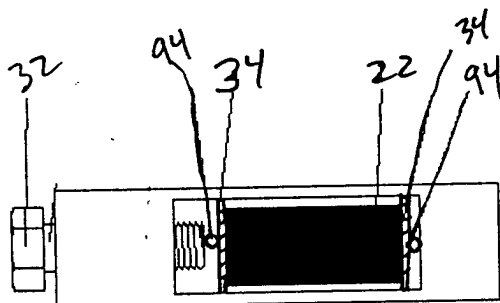


Figure 8





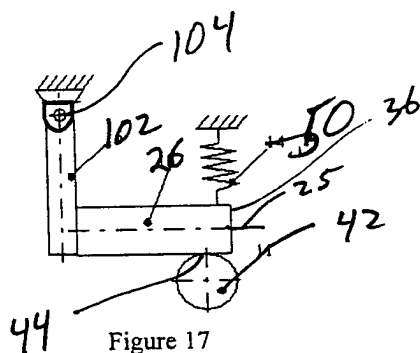


Figure 17

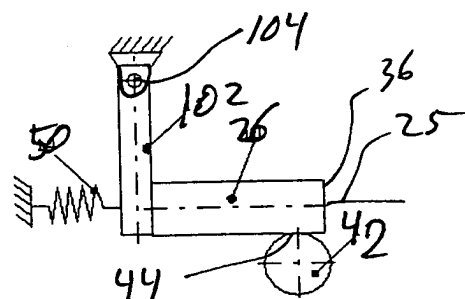


Figure 18

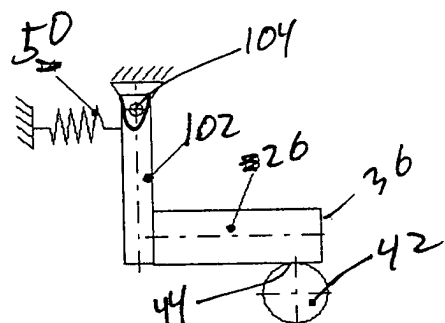


Figure 19

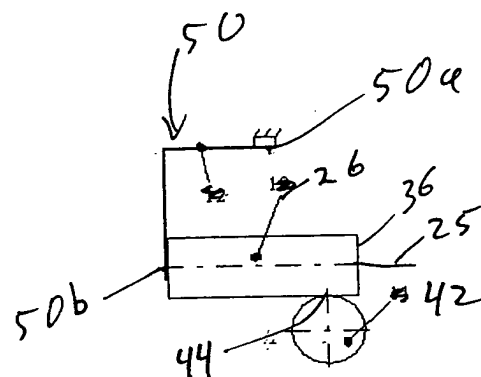


Figure 20

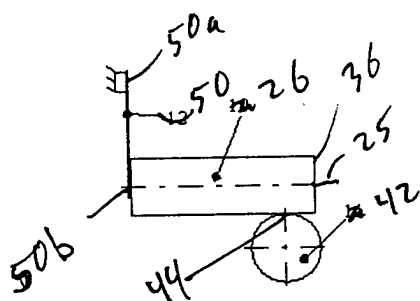


Figure 21

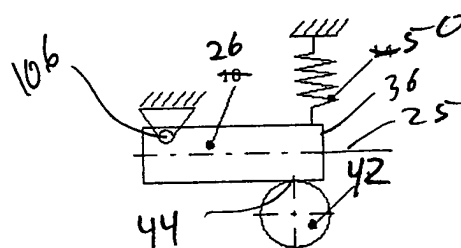


Figure 22

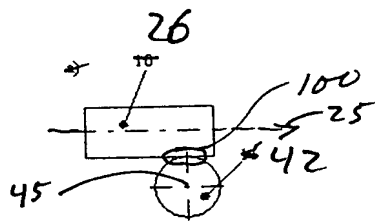


Figure 23

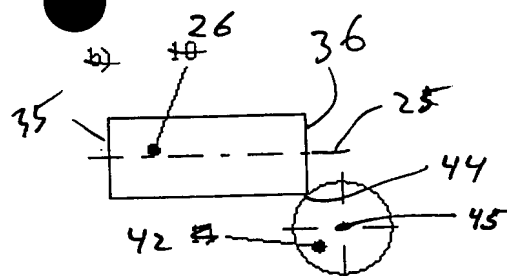


Figure 24

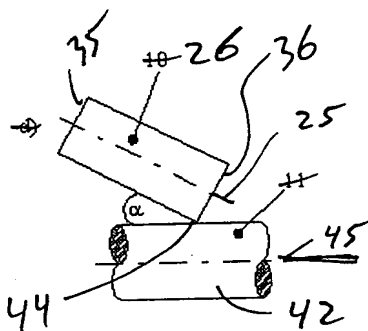


Figure 25

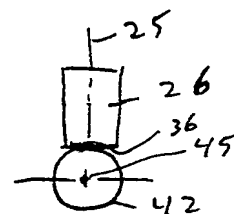


Figure 26

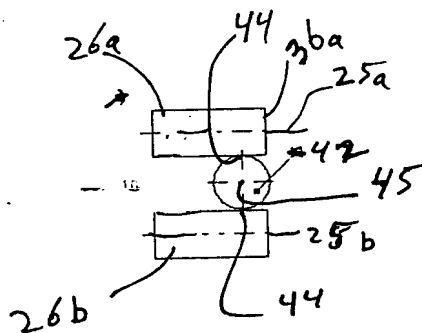


Figure 27

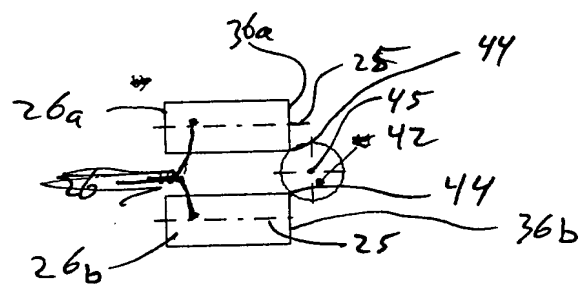


Figure 28

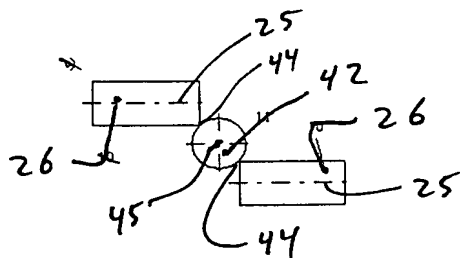


Figure 29

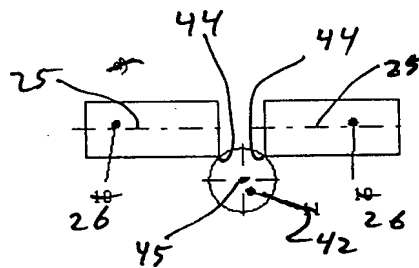


Figure 30

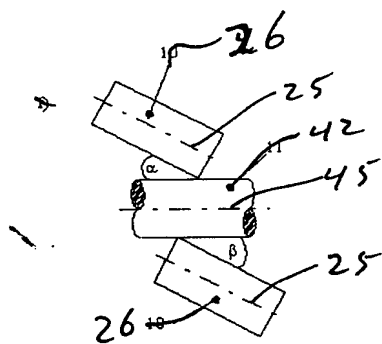


Figure 31

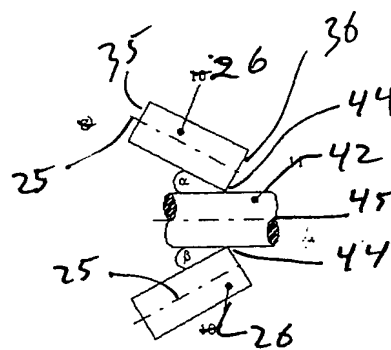


Figure 32

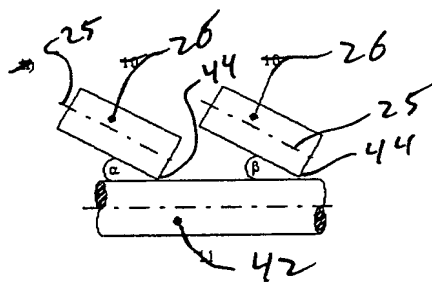


Figure 33

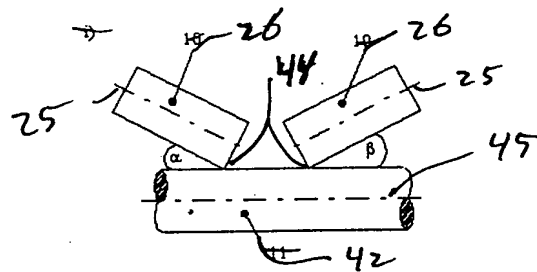


Figure 34

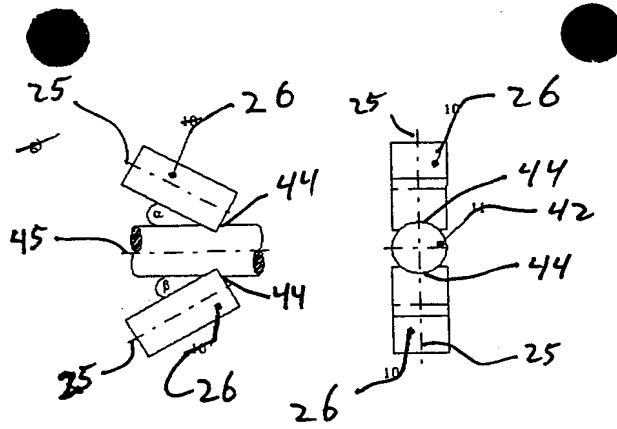


Figure 35

Figure 36

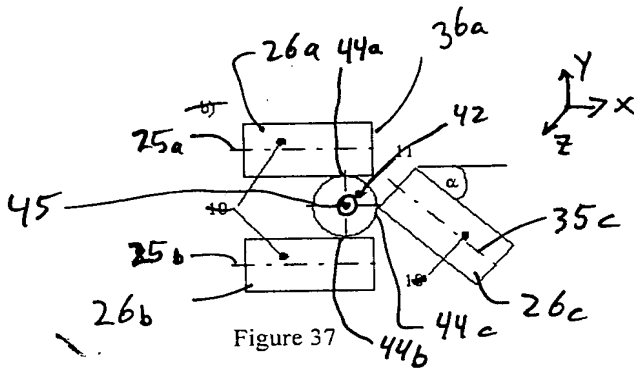


Figure 37

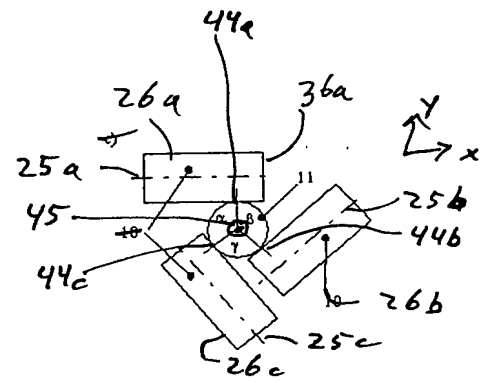


Figure 38

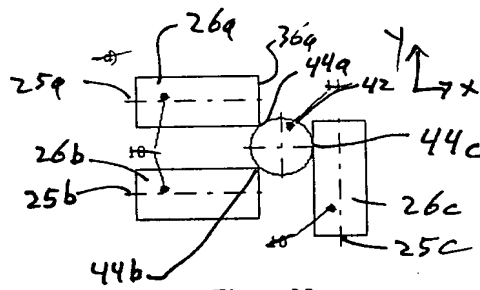


Figure 39

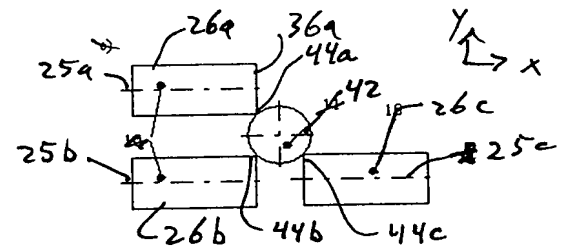


Figure 40

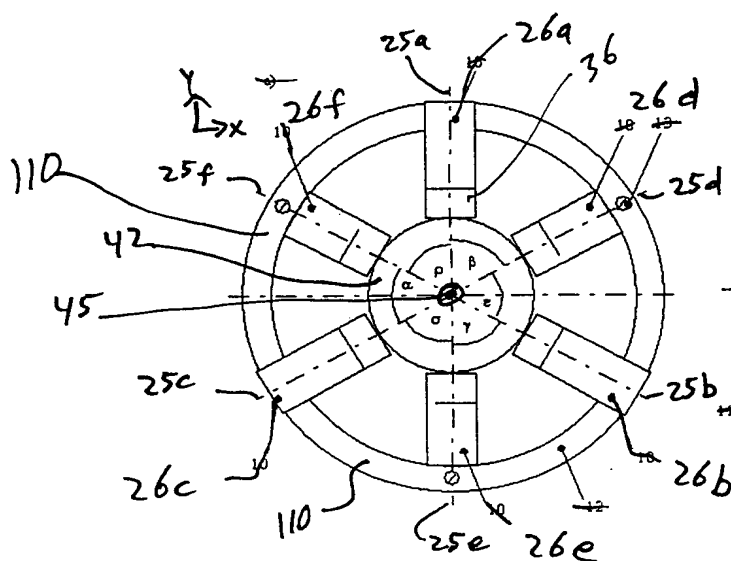


Figure 41

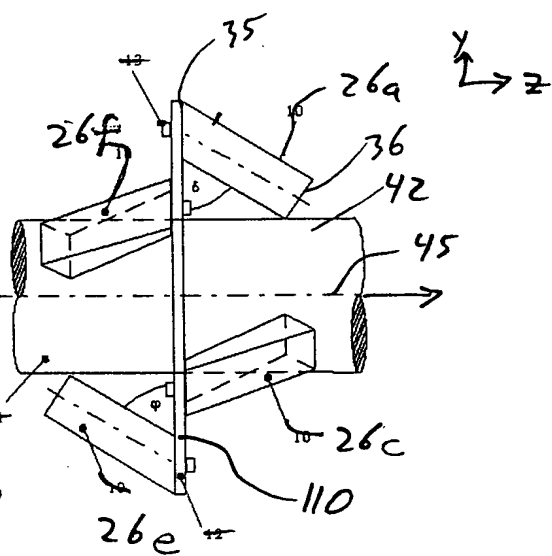


Figure 42

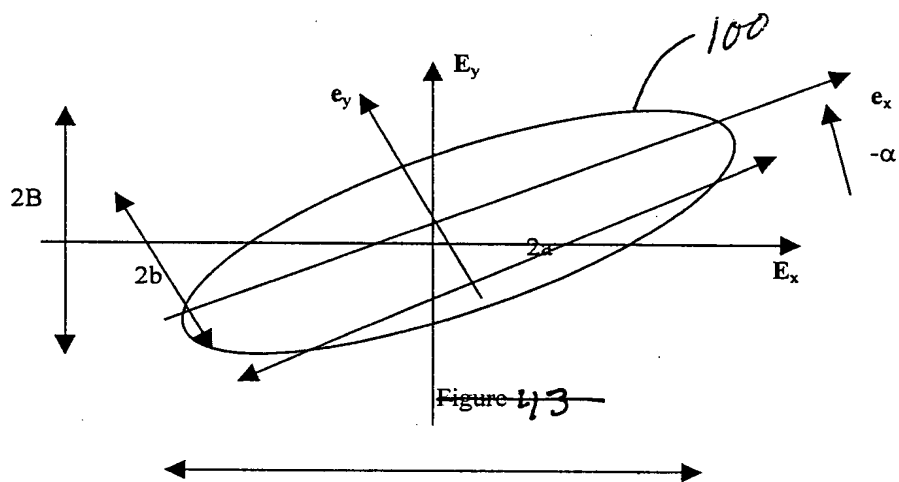


Figure 43

Figure 43

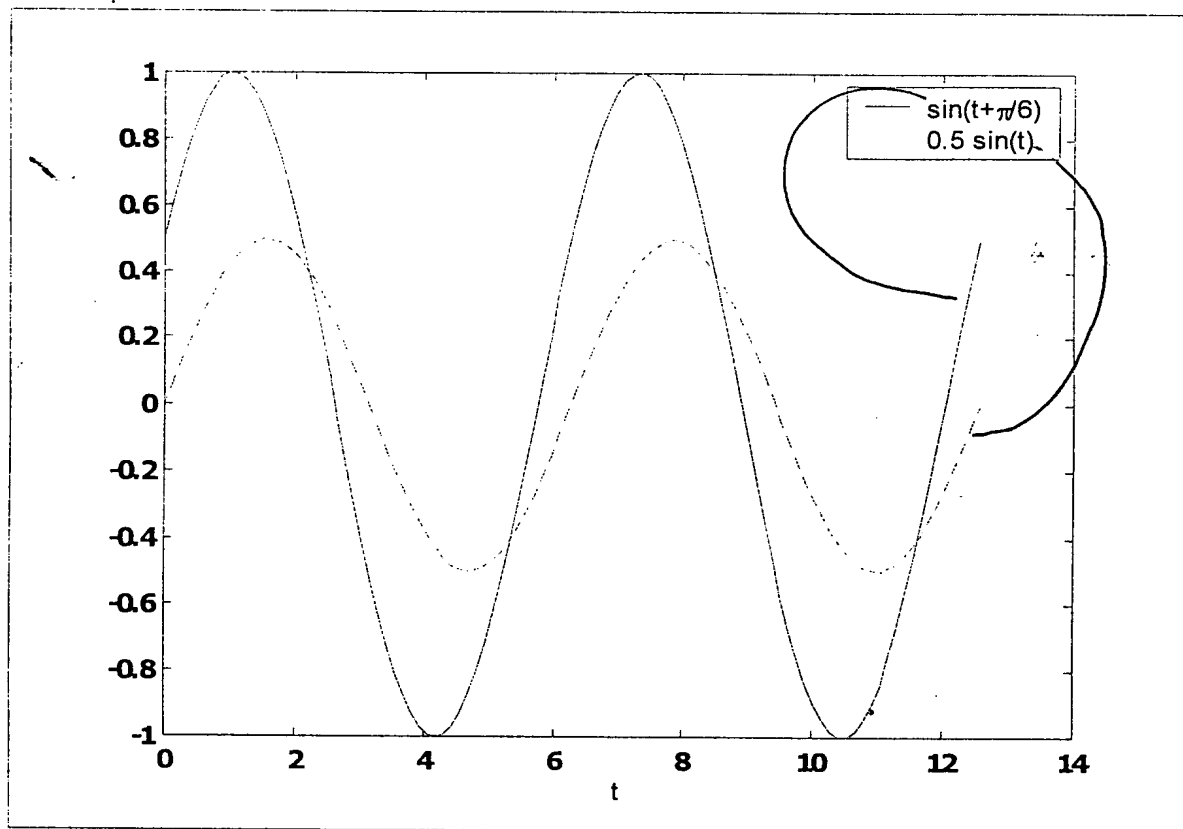


Figure 44

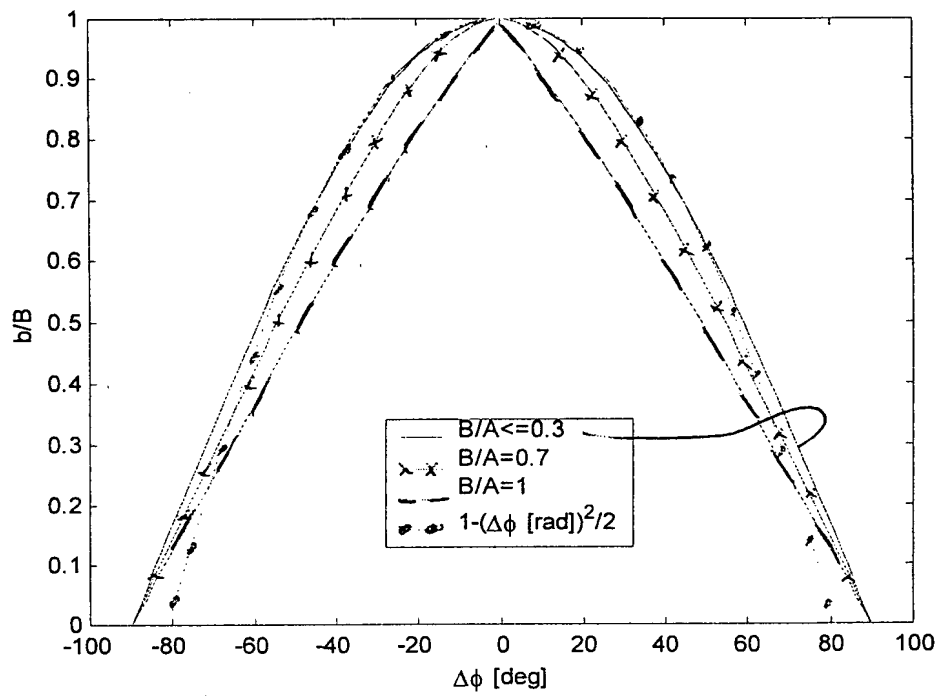


Figure 3a 45

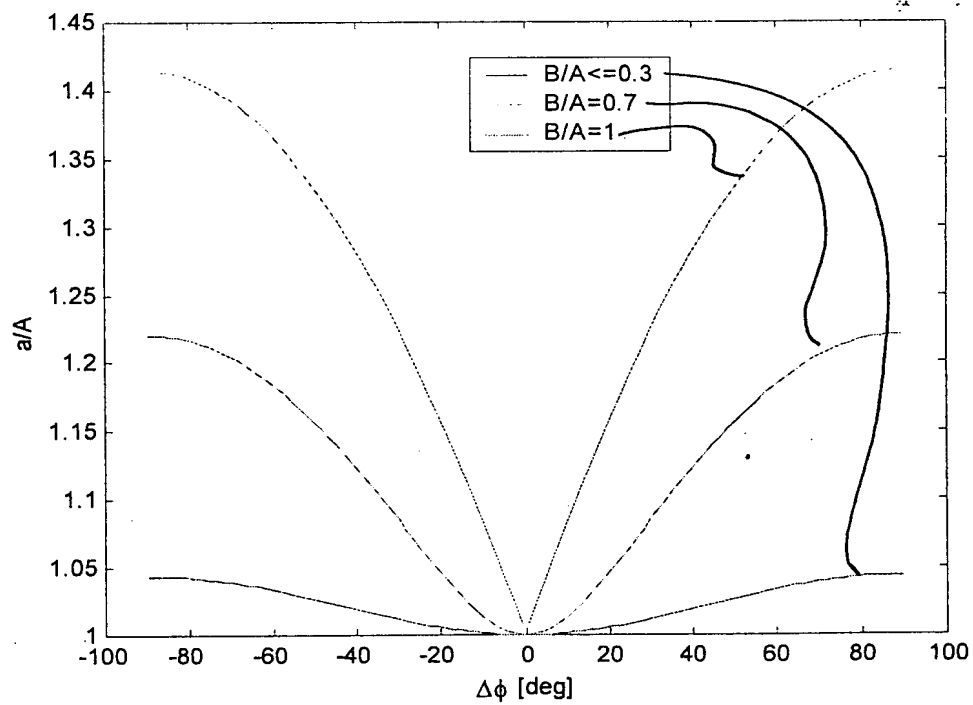


Figure 3b 46

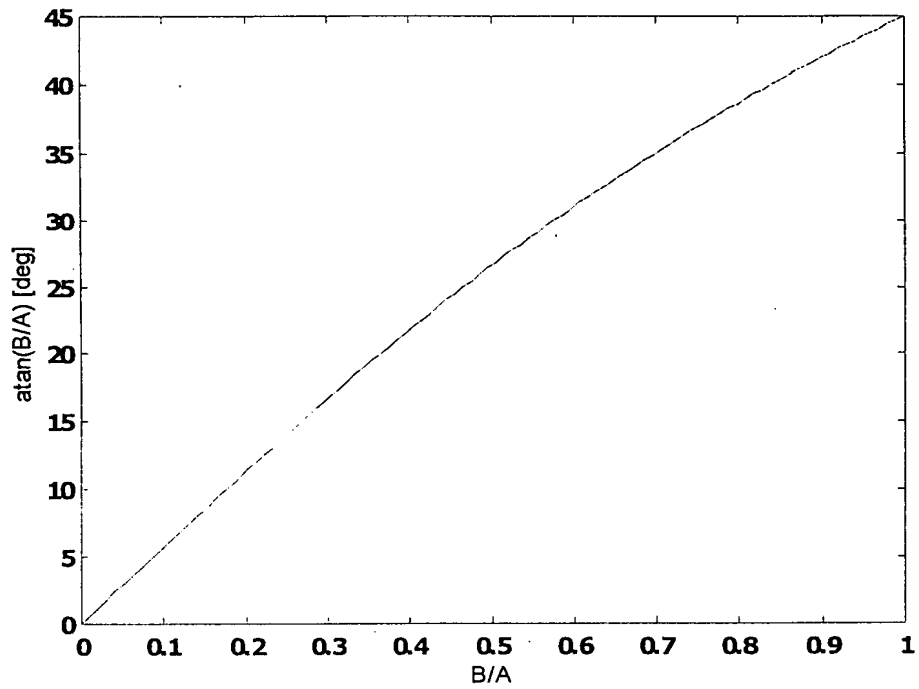


Figure 47

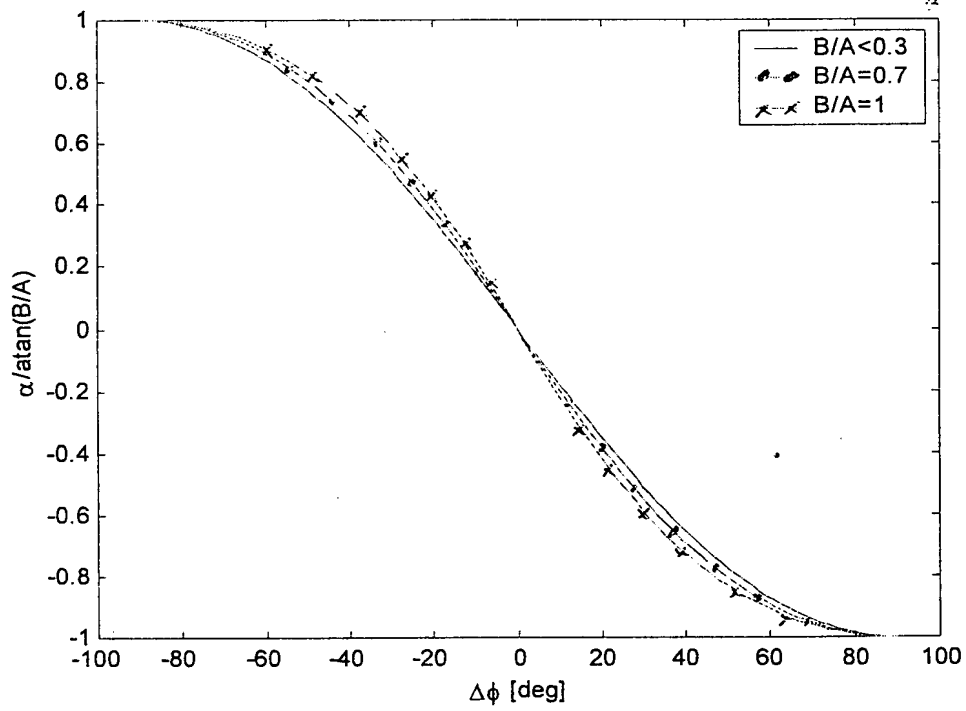


Figure 48



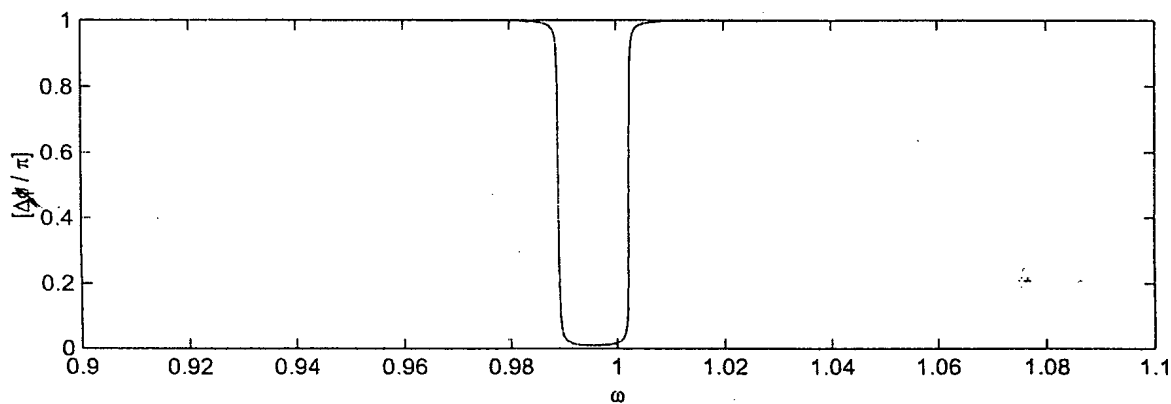
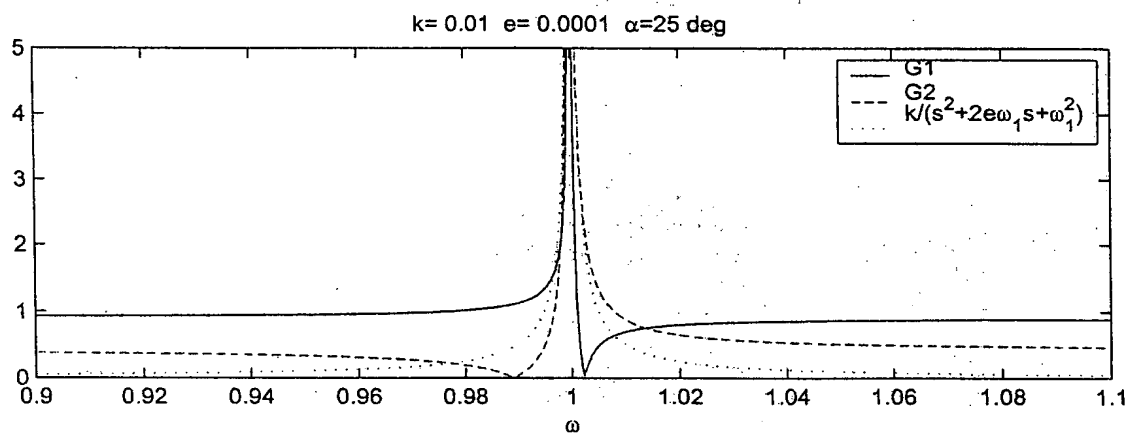


Figure-2a 49

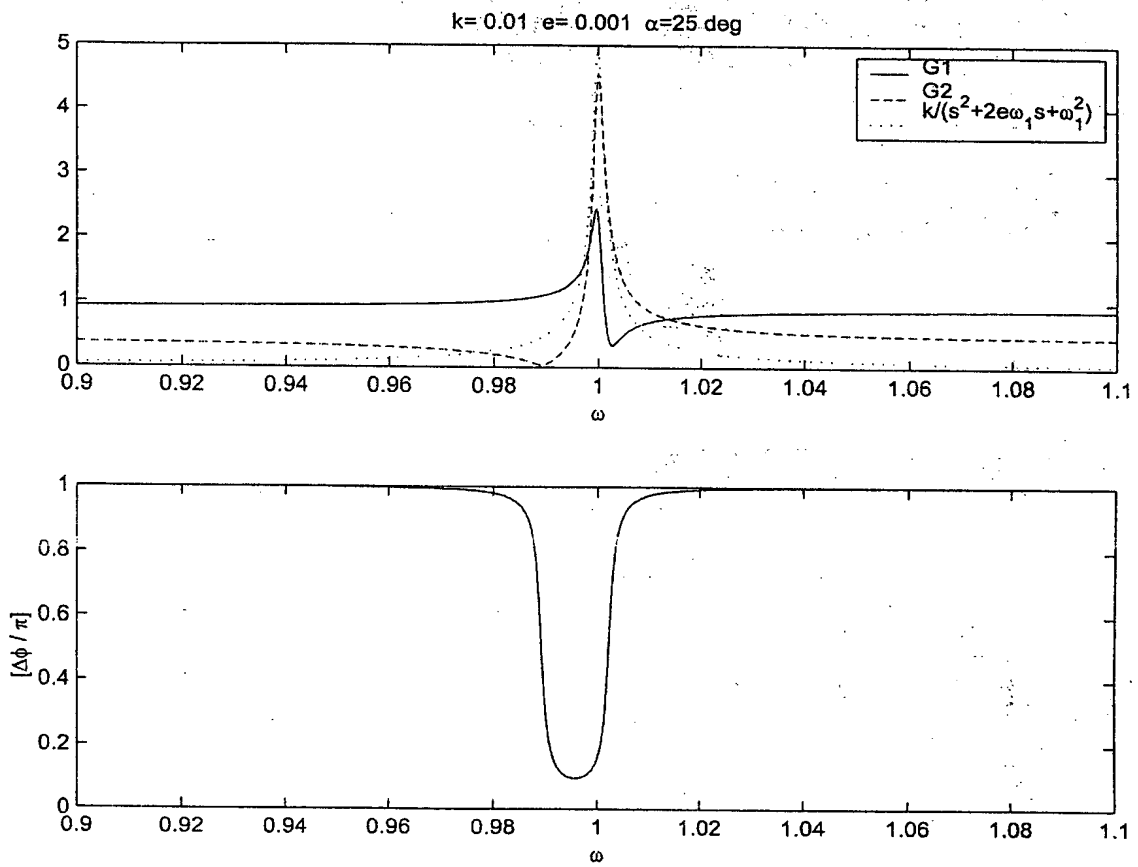


Figure 2b 50



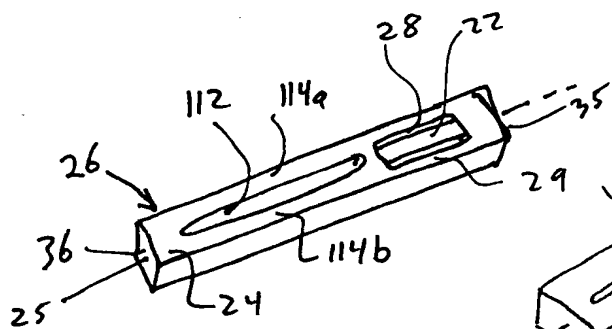


Figure 52

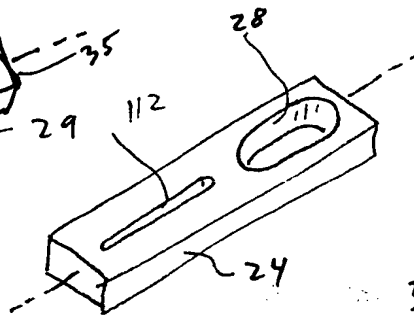


Figure 53

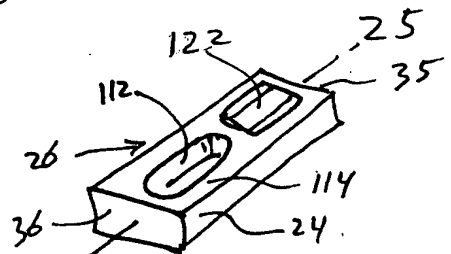


Figure 54

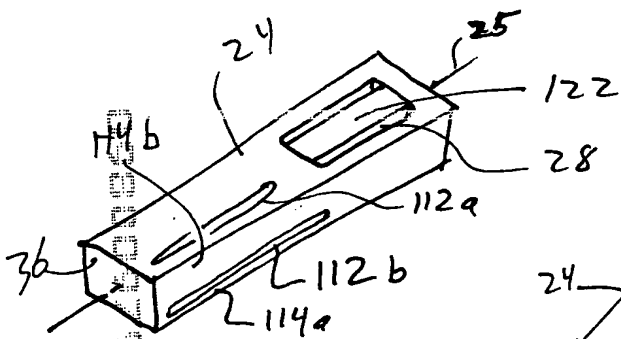


Figure 55

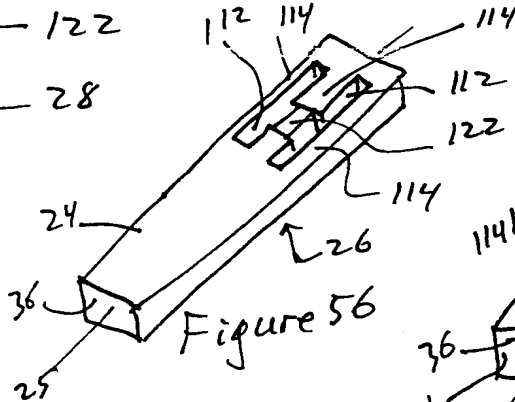


Figure 56

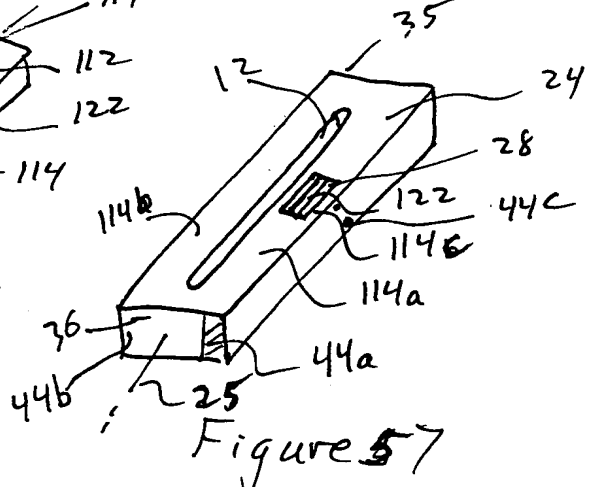


Figure 57

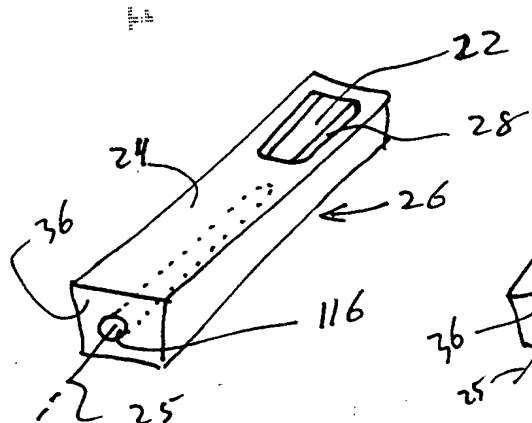


Figure 58

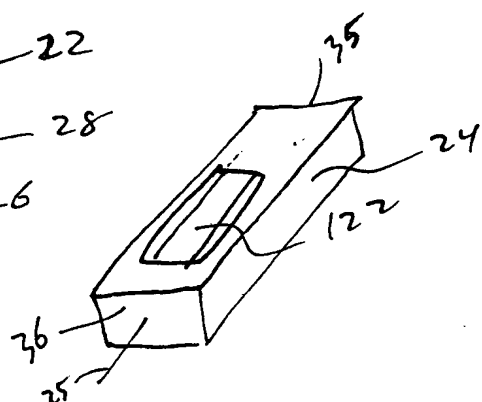


Figure 59

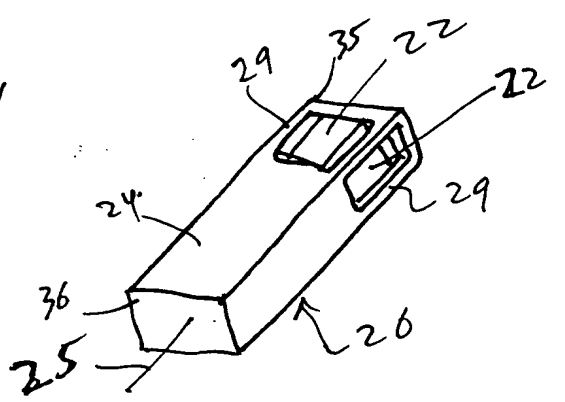


Figure 60

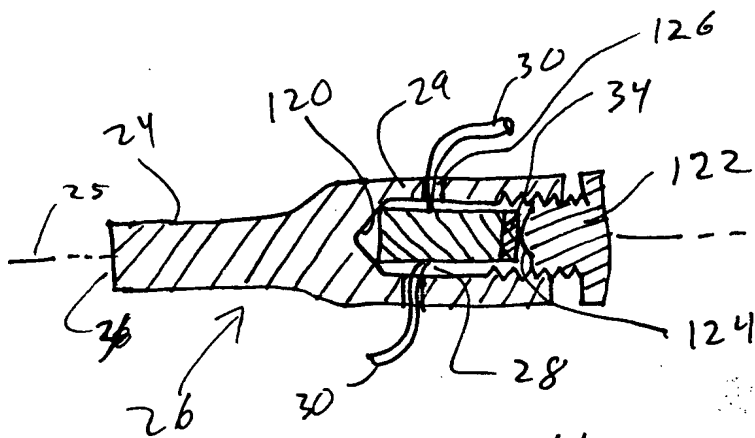


Figure 61

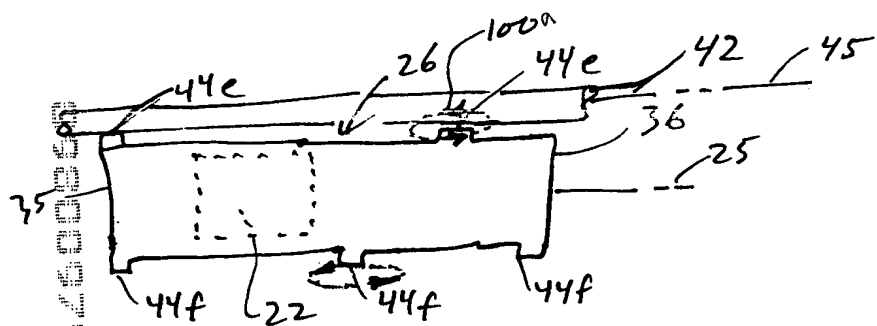


Figure 62

5  
10  
15  
20  
25

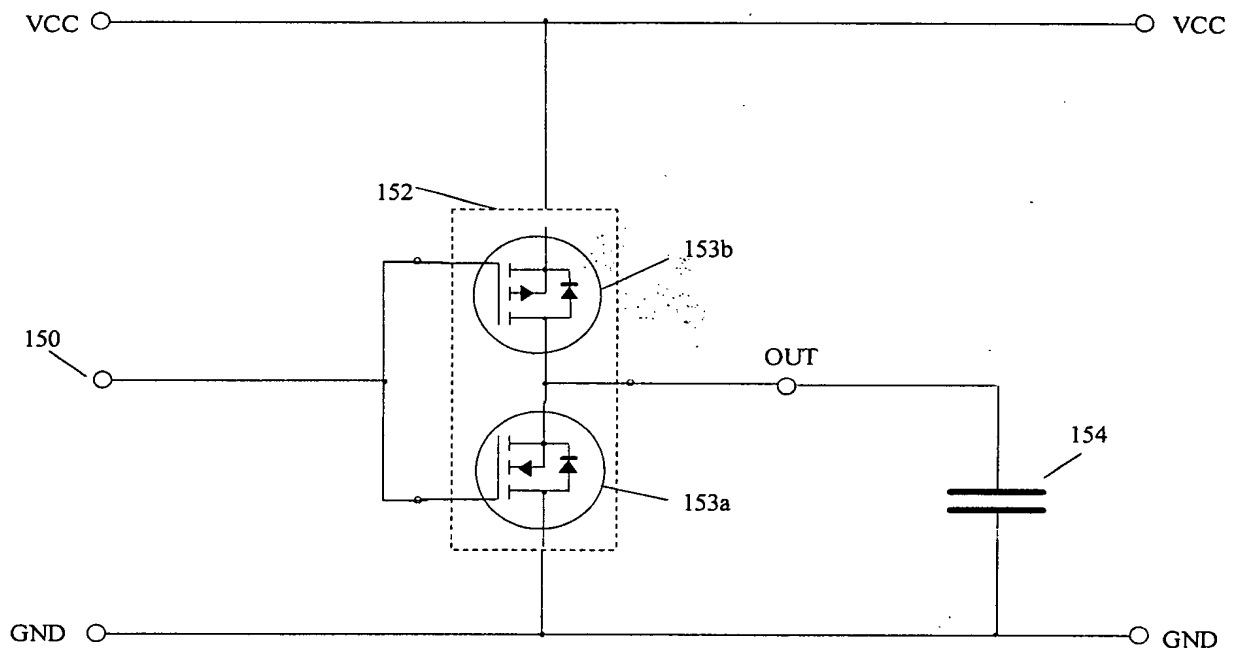


Figure 63

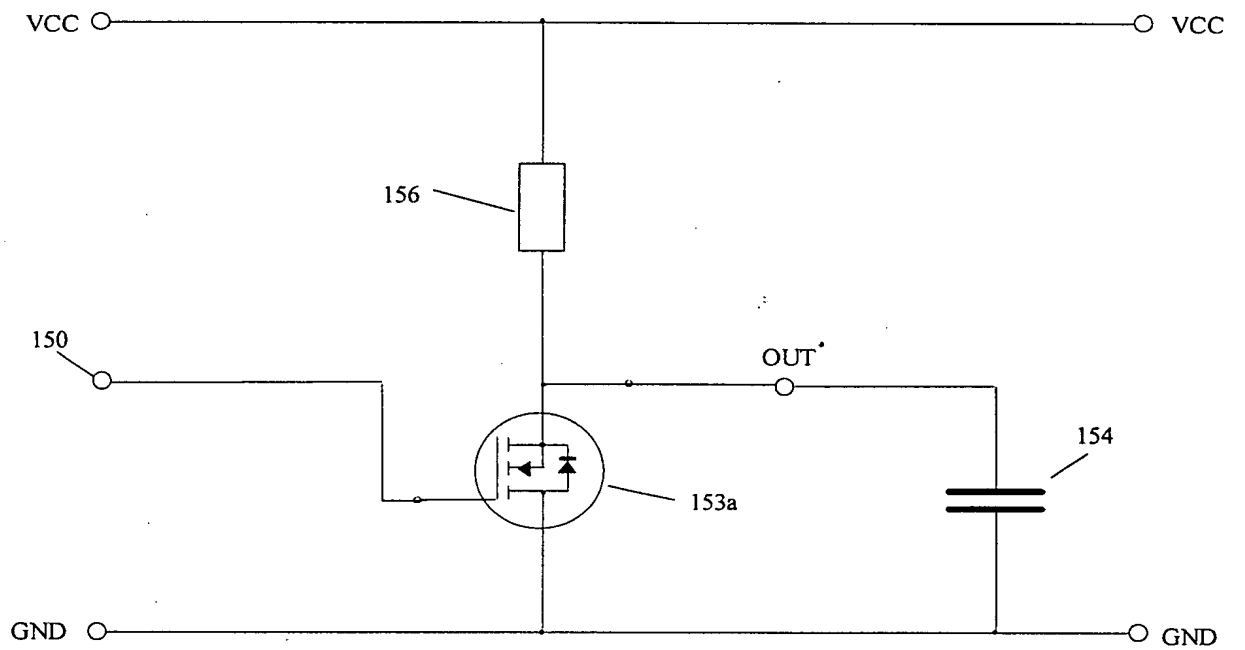


Figure 64

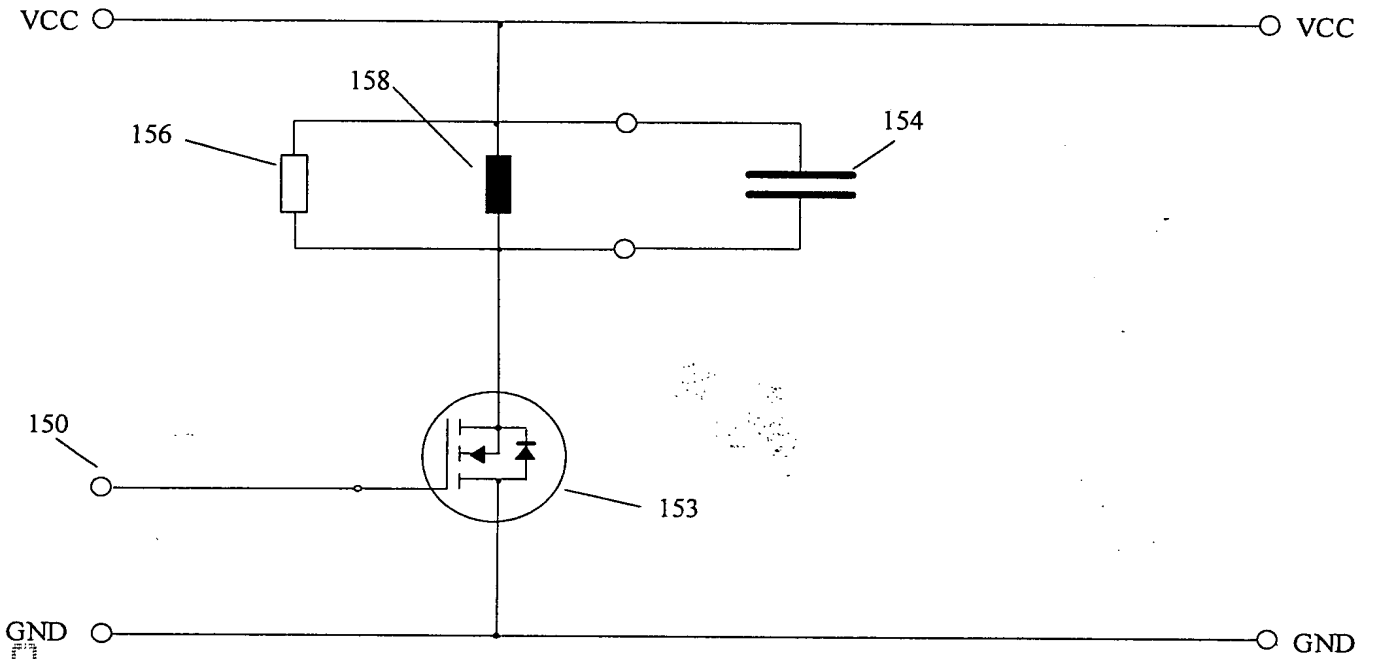


Figure 65

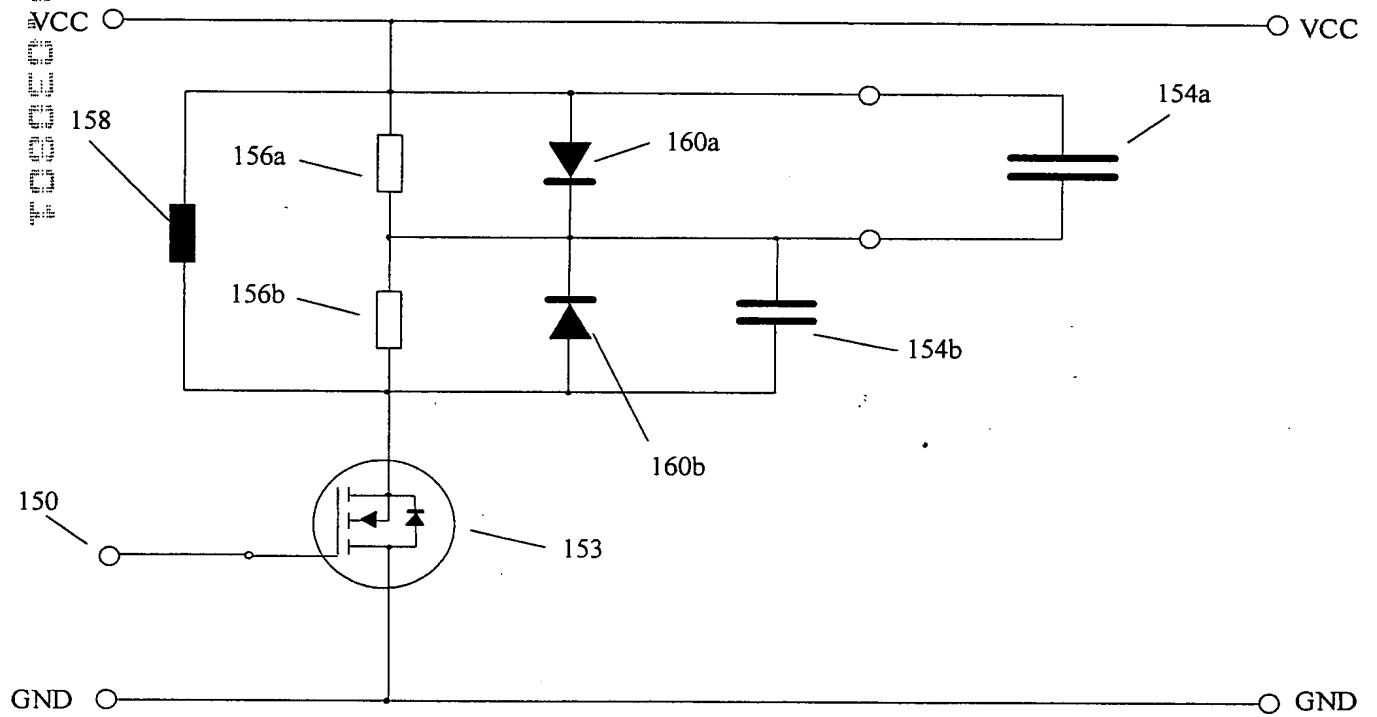


Figure 66

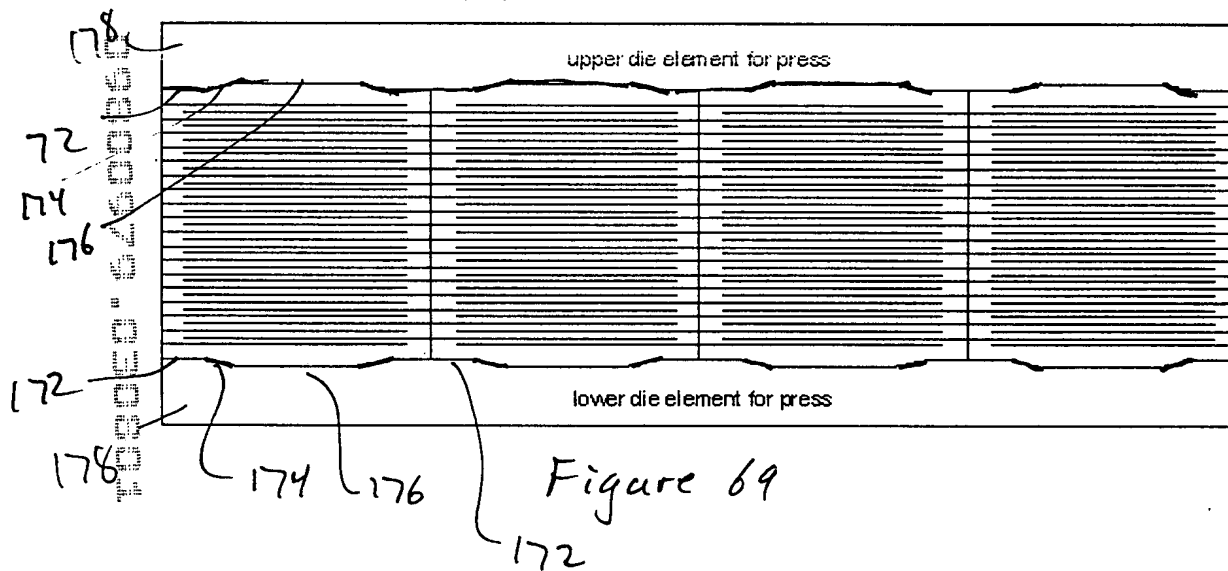
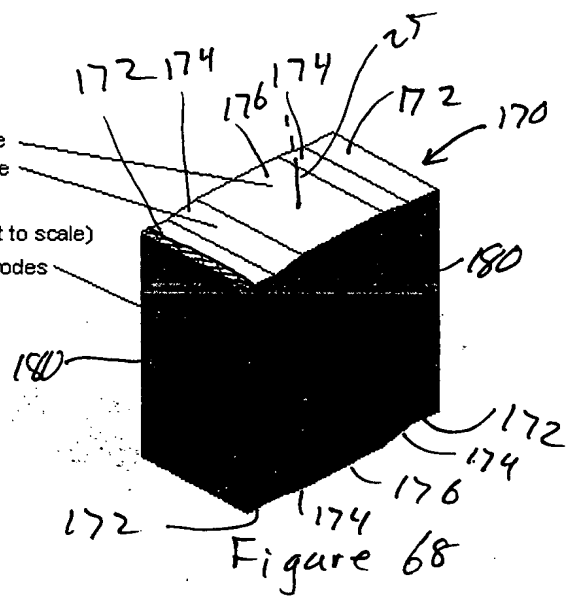
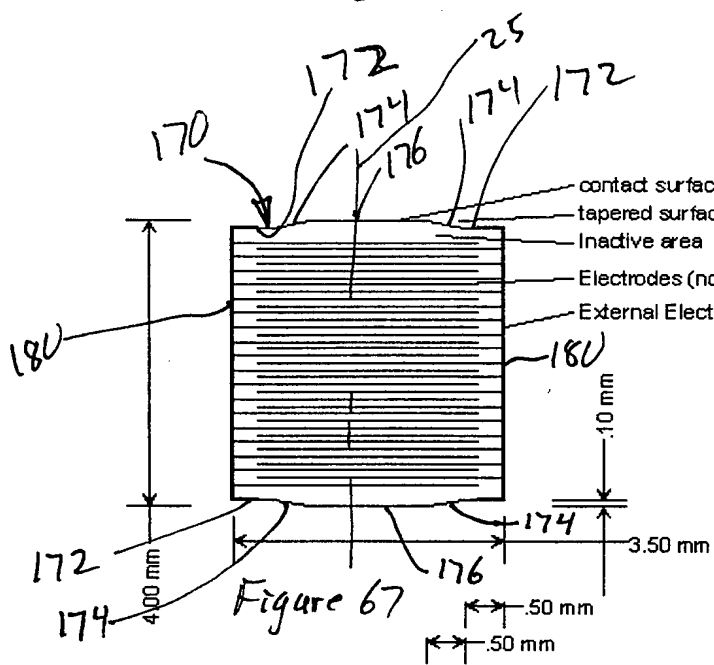
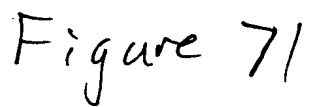






Figure 71





09800970.030094

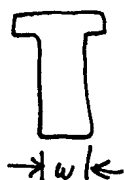
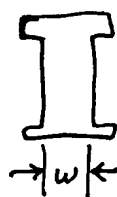


Figure 7-13

A hand-drawn schematic diagram of a mechanical assembly. The diagram includes the following labeled components:

- 188**: A curved line representing a spring or flexible member.
- 188a** and **188b**: Specific points or ends of the curved member 188.
- 22**: A rectangular block or component.
- 26**: A small triangular feature or pin on the side of component 22.
- 25**: A horizontal line or surface passing through component 22.
- 42**: A horizontal line or surface below component 22.
- 44**: A curved line or spring connecting component 22 to the lower assembly.
- 45**: A horizontal line extending from the right side of the lower assembly.
- 46**: Two circular features, likely rollers or wheels, supporting the lower horizontal assembly.
- 52**: A horizontal line at the top right of the diagram.

Figure 7~~5~~4

[illegible]

~~Fig~~

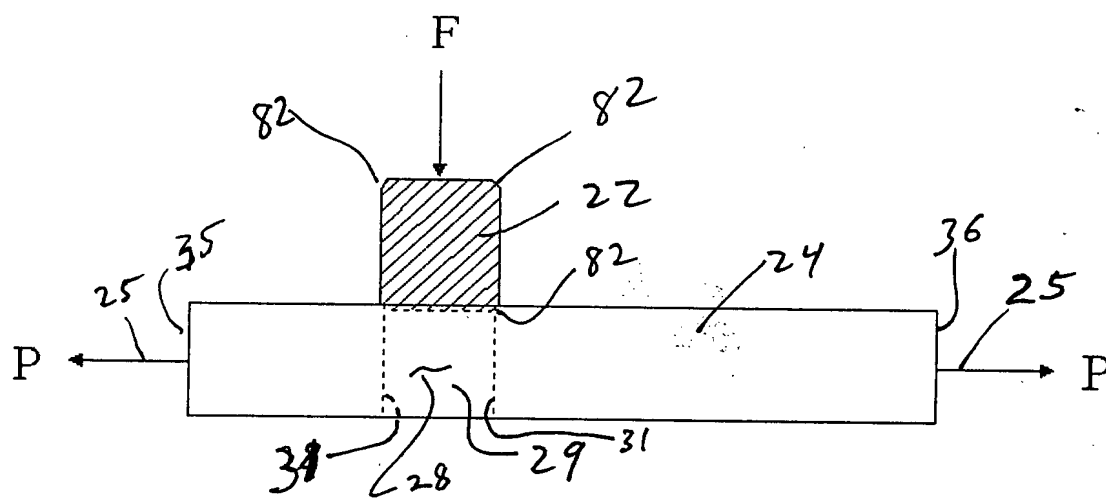


Figure 7#1

09800979.030001

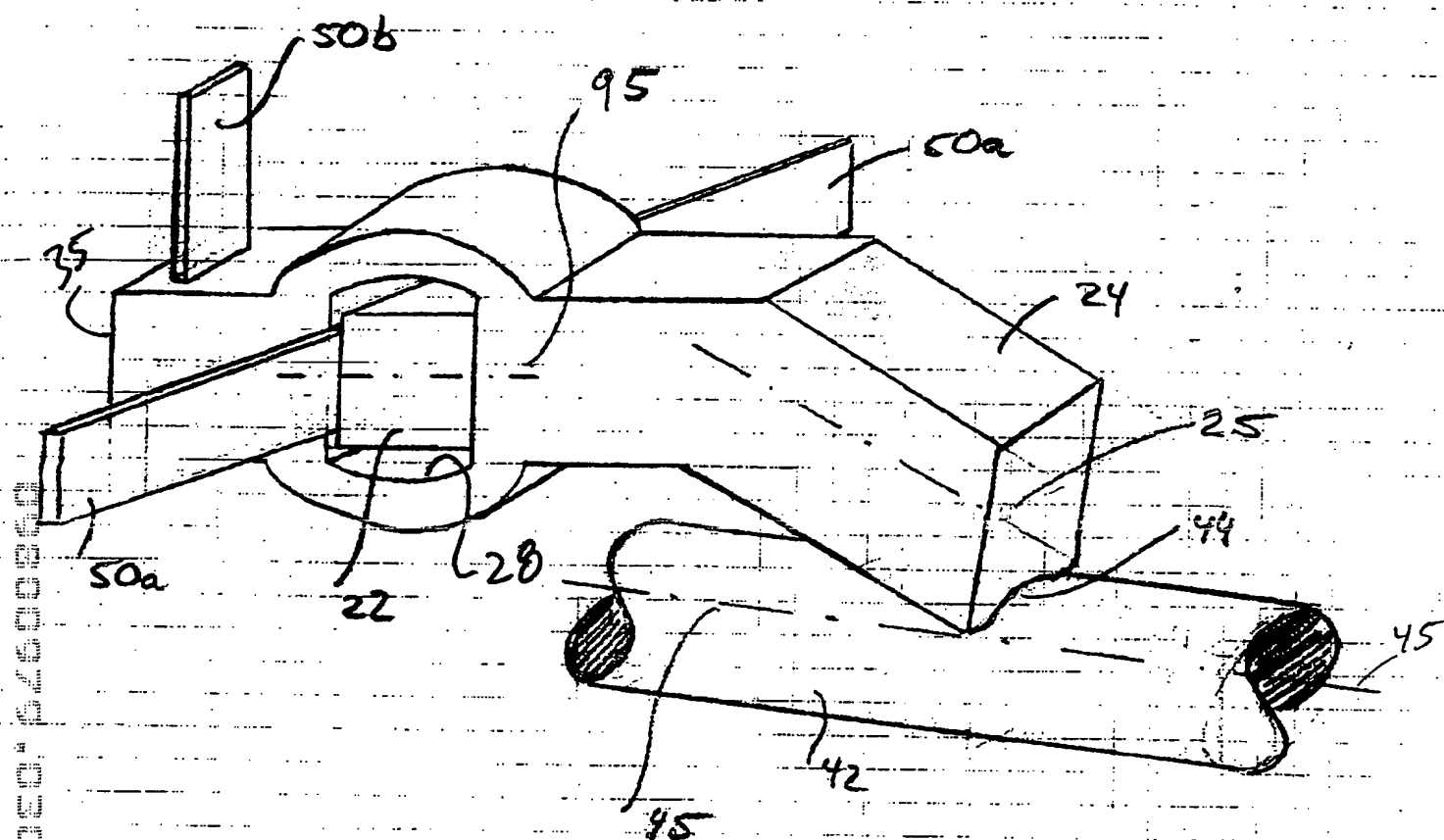


Figure 7 ~~7~~ 7

Figure 78



FIG. 79

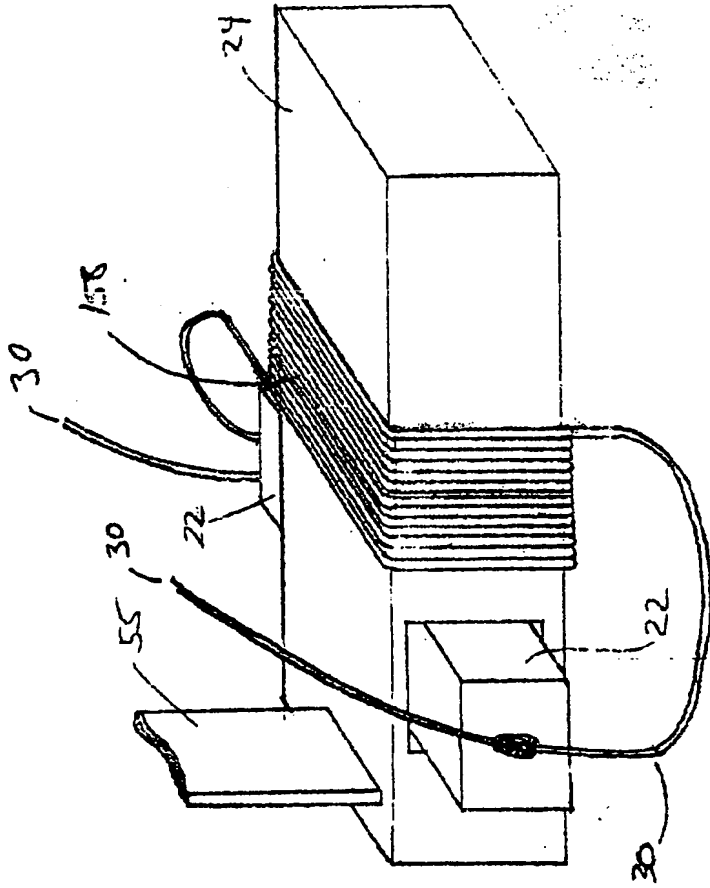


Figure 79

FILED 6/5/66

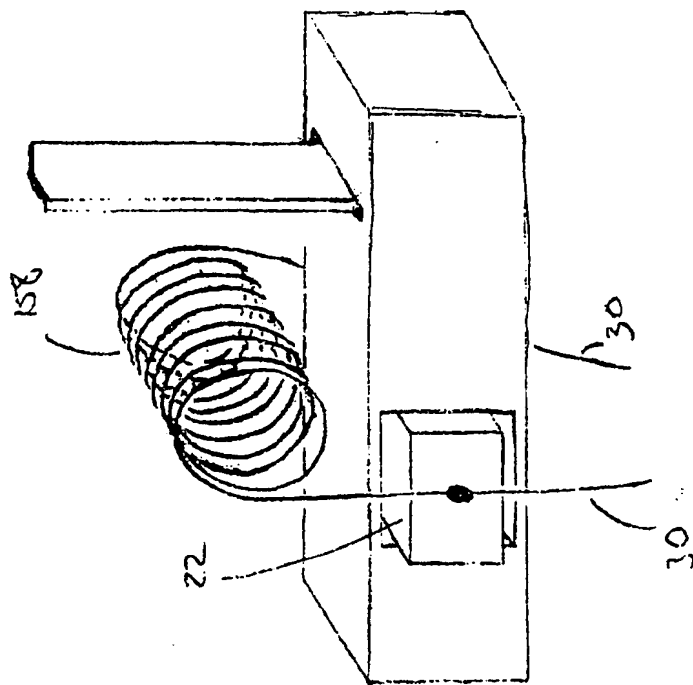


Figure 80

Hand-drawn schematic diagram of a beam splitter assembly. A horizontal beam 42 is incident on a tilted beam splitter 24. The beam is split into two paths: 100a (transmitted) and 100b (reflected). The transmitted beam 100a is deflected by an angle  $\theta_1$  and passes through a lens 44. The reflected beam 100b is deflected by an angle  $\theta_2$ . The beam splitter 24 is labeled with 25 and 26. The horizontal beam is labeled 45.

Figure ~~80~~ 81.